

To: Marcie Demmy Bidwell[marcie@mountainstudies.org]; Peter Foster[pfoster@wrightwater.com]; Ann Oliver[annsoliver@gmail.com]; Chris Theel[christopher.theel@state.co.us]; charten@southernute-nsn.gov[charten@southernute-nsn.gov]; Fagen, Elizabeth[Fagen.Elizabeth@epa.gov]; Patrick Pfaltzgraff [patrick.j.pfaltzgraff@state.co.us]; Peter Butler[butlerpeter2@gmail.com]; Wharton, Steve[Wharton.Steve@epa.gov]; tojohns@southernute-nsn.gov[tojohns@southernute-nsn.gov]; Tom McNamara[Thomas.McNamara@co.laplata.co.us]; Trevor Denney[trevor.denney@state.co.us]; Ron.LeBlanc@durangogov.org[Ron.LeBlanc@durangogov.org]; Hestmark, Martin[Hestmark.Martin@epa.gov]; Ostrander, David[Ostrander.David@epa.gov]; Ken Williams[khwilliams@lbl.gov]; Way, Steven[way.steven@epa.gov]; R8EISC[R8EISC@epa.gov]; Wall, Dan[wall.dan@epa.gov]; Scott Roberts[scott@mountainstudies.org]
From: Steltzer, Heidi
Sent: Wed 9/9/2015 2:11:40 PM
Subject: RE: GKM Technical Subcommittee- Introducing Ken Williams and Heidi Steltzer

Great to have met some of you recently and thanks Marcie for the e-introduction. As Marcie mentioned, I'm a professor at Fort Lewis College in Durango, teaching in Biology and Public Health and engaging in research on mountain systems and their resilience to environmental changes.

This fall, I have led an effort at Fort Lewis College to develop a collaborative group of faculty who have expertise and interest in contributing to efforts for the spill recovery phase and work that would follow this phase for long-term monitoring. The group includes science and social science faculty across a broad range of expertise.

We would be glad to be involved – let us know when/how we could contribute. We've identified a few ways we envision contributing, which I can provide if this would be useful. Also, several faculty are planning for proposal submissions to federal agencies (ex. USDA, NSF) focused on the Animas River and our communities. I'm wondering what approach would be best to coordinate proposed work with ongoing work and recovery planning by Unified Command?

Best,

Heidi Steltzer

Associate Professor Biology

Fort Lewis College

From: Marcie Demmy Bidwell [mailto:marcie@mountainstudies.org]
Sent: Tuesday, September 08, 2015 2:45 PM

To: Peter Foster; Ann Oliver; Chris Theel; Curtis Hartenstine; Elizabeth Fagen; Patrick Pfaltzgraff ; Peter Butler; Steve Wharton; Tom Johnson; Tom McNamara; Trevor Denney; Ron.LeBlanc@durangogov.org; hestmark.martin@epa.gov; ostrander.david@epa.gov; Ken Williams; Steltzer, Heidi; way.steven@epamail.epa.gov; r8eisc@epa.gov; Wall, Dan; Scott Roberts

Subject: RE: GKM Technical Subcommittee- Introducing Ken Williams and Heidi Steltzer

Hello Sean McGrath, Dave Ostrander, Pete Foster, Ann Oliver, Chris Theel, Curtis Hartenstine, Liz Fagen, Pat Pfaltzgraff, Peter Butler, Steve Wharton, Tom Johnson, Tom McNamara, Trevor Denney, Ron LeBlanc, Martin Hestmark, Heidi Stelzer, Ken Williams, and Dan Wall,

~(Please accept my apologies for not completing the full introduction header in my previous email)~

I would like to make an introduction to Ken Williams, the Environmental Remediation and Water Resources Program lead, Department of Energy, Lawrence Berkeley National Laboratory. Ken's program is interested in contributing to this group's efforts to track the long term interactions of the heavy metals released in Animas River. He currently serves as a Lead for the Earth Sciences Division's Environmental Remediation and Water Resources Program and serves as the chief scientist and field site manager for the U.S. Department of Energy's Rifle, Colorado (USA) field station, which seeks to quantify coupled microbiological, geochemical, and hydrological processes that control elemental cycling within floodplain deposits along the Colorado River corridor. Heidi Steltzer, FLC Biology and Public Health faculty, introduced me to Ken as they collaborated on a large scale river study this summer near Crested Butte, tracing how chemicals and heavy metals move through a river system, including surface water, groundwater, sediments, and upland vegetation. Heidi and a great group of Fort Lewis faculty are also interested in supporting long term research related to the spill and how our community is addressing resiliency going forward.

Ken is interested in establishing a companion site in the Animas River, as the recent release would enable a great large-scale tracer study using the signatures from the mine sites and released chemicals as they move through the system.

I will let Ken present his ideas and the potentials for collaboration. I am also sending Ken an email with a brief introduction to each of you, and your role in the Animas Response and Recovery, but I will spare you the long email.

Let me now if you have any questions, and I hope that this introduction may bear some collaborative fruit.

Marcie Bidwell and Scott Roberts, MSI

Mountain Studies Institute

Executive Director

1309 E. 3rd Avenue #106, Durango CO 81301

P.O. Box 426, Silverton CO 81433

Office- 970-387-5161 | Cell- 970-426-8863

www.mountainstudies.org

MSI moved to the Smiley Building- Stop by and visit us at our new address!